INTERNATIONAL SEARCH REPORT

ational Application No PUT/IB2004/000875

		i	FC1/102004/0000/5		
A. CLASSIF IPC 7	FICATION OF SUBJECT MATTER B29C45/14				
according to	o International Patent Classification (IPC) or to both national class	ification and IPC			
	SEARCHED				
IPC 7	ocumentation searched (classification system followed by classific B29C	cation symbols)			
Documentati	lion searched other than minimum documentation to the extent th	at such documents are inclu	ded in the fields searched		
Electronic da	ata base consulted during the international search (name of data	base and, where practical,	search terms used)		
EPO-Int	ternal, PAJ				
. DOCUME	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the	e relevant passages	Relevant to claim No.		
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 09, 31 July 1998 (1998-07-31) -& JP 10 103289 A (KUBOTA TEKKO 21 April 1998 (1998-04-21) abstract; figures 2,3	OSHO:KK),	1-7,9,10		
X	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 07, 3 July 2003 (2003-07-03) -& JP 2003 065424 A (KOYO SEIKO 5 March 2003 (2003-03-05) abstract; figure 1	1-7,9,10			
X	US 4 580 757 A (LEUNER HILMAR 8 April 1986 (1986-04-08) figure 1	ET AL)	1-7,9,10		
		-/			
X Furt	ther documents are listed in the continuation of box C.	X Patent family	members are listed in annex.		
"A" docume consid	ategories of cited documents: tent defining the general state of the art which is not dered to be of particular relevance document but published on or after the International data	or priority date an cited to understan invention "X" document of partic	olished after the international filing date d not in conflict with the application but d the principle or theory underlying the ular relevance; the claimed invention ered novel or cannot be considered to		
"L" docume which citatio "O" docum other "P" docume	ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another on or other special reason (as specified) nent referring to an oral disclosure, use, exhibition or means the prior to the international filing date but	involve an Inventi "Y" document of partic cannot be consided document is comil ments, such comil in the art.	ve step when the document is taken alone utar relevance; the claimed invention ared to involve an inventive step when the pined with one or more other such docu- plination being obvious to a person skilled		
later t	than the priority date claimed		of the same patent family the international search report		
	actual completion of the international search 15 July 2004	22/07/2			
	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer			
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Kujat,	С		

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tional Application No

n) DOCUMENTS CONSIDERED TO BE RELEVANT itation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
US 6 142 675 A (STORK JOSEF ET AL) 7 November 2000 (2000-11-07) figure 1	1-7,9,10
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INTERNATIONAL SEARCH REPORT

Box II	Observations where certain claims were found unsearchable (Commutation of item 2 of first sneet)
This Inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. X	Claims Nos.: 8,11,12 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: see FURTHER INFORMATION sheet PCT/ISA/210
з. 🗌	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inte	ernational Searching Authority found multiple inventions in this international application, as follows:
.1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.:
Remar	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 8,11,12

Claims 8, 11 and 12 do not meet the requirements of Article 6 PCT, since the claims contain so many options, variables, possible permutations or provisos, that the claims are unclear or inconcise to the extent that the presentation of the claims obscures the subject matter for which protection is sought.

Reference is made to Rule 6.2 PCT, according to which claims shall not, except where absolutely necessary, rely, in respect of the technical features of the invention, on references to the description or drawings. In particular, they shall not rely on such references as: "as described in part ... of the description," or "as illustrated in figure ... of the drawings.".

This issue is further explained in chapter 5.10 of the PCT INTERNATIONAL SEARCH AND PRELIMINARY EXAMINATION GUIDELINES, according to which the claims must not, in respect of the technical features of the invention, rely on references to the description or drawings "except where absolutely necessary." An example of an exception would be that in which the invention as claimed involved some peculiar shape illustrated in the drawings but which could not be readily defined either in words or by a simple mathematical formula.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

INTERNATIONAL SEARCH REPORT

Information on patent family members

ational Application No

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
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